

COMMUNICATION LINK PROTOCOL OPTIMIZED
FOR STORAGE ARCHITECTURES

Ashok (nmi) Singhal

5 David J. Broniarczyk
George R. Cameron

ABSTRACT OF THE DISCLOSURE

A communication link protocol is provided for
10 communicating between nodes of an interconnect system via a
communication link. In one embodiment, the communication link
protocol includes a direct memory access (DMA) command for
writing a block of data from a local node to a remote node via
the communication link; an administrative write command for
15 writing data from a local node to registers in a remote node
via the communication link for administrative purposes; a
memory copy write command for writing a line of memory from a
local node to a remote node via the communication link when
any data is written into that line of memory; and a built in
20 self test (BIST) command for testing the functionality of the
communication link.